

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF A BATTERY BACK-UP SYSTEM TO THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 64 AND I-97 IN ANNE ARUNDEL COUNTY. MD 648 IS ASSUMED TO RUN IN A NORTH - SOUTH DIRECTION.

CONTROLLER OPERATION

THE EXISTING EIGHT-PHASE, FULLY ACTUATED NEMA CONTROLLER HOUSED IN A BASE MOUNTED CABINET WILL BE USED. THE CONTROLLER CURRENTLY OPERATES AS A FOUR PHASE FULLY-ACTUATED CONTROLLER AND WILL NOT BE CHANGED.

CONTACT PERSONS FOR DISTRICT 5 ARE AS FOLLOWS:

MR. LEE STARKLOFF
DISTRICT ENGINEER
(410) 841-1001

MR. MIKE HUBER
ASSISTANT DISTRICT ENGINEER - UTILITIES
(410) 841-1002

MS. KIM TRAN
ASSISTANT DISTRICT ENGINEER - TRAFFIC
(410) 841-1003

MR. JOHN MAYS
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
(410) 841-1002

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF SR.
TRAFFIC OPERATIONS DIVISION
(410) 787-7630

MR. EUGENE BAILEY
SIGN OPERATIONS SECTION
(410) 787-7676

MR. ROBERT SNYDER, ASSISTANT CHIEF
TRAFFIC OPERATIONS DIVISION
(410) 787-7631

MR. MICHAEL STOCKER
SUPPLY OFFICE (SIGNAL SHOP WAREHOUSE)
(410) 787-7668

MR. ED RODENHIZER, CHIEF
SIGNAL OPERATIONS SECTION
(410) 787-7652

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY THE SHA

ITEM NO.	QUANTITY	UNIT	DESCRIPTION
9000	1	EA	NEMA SIZE "S" CABINET W/ 2- 4 CHANNEL LOOP DETECTOR AMPLIFIERS, AND VIDEO EQUIPMENT

EQUIPMENT LIST

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

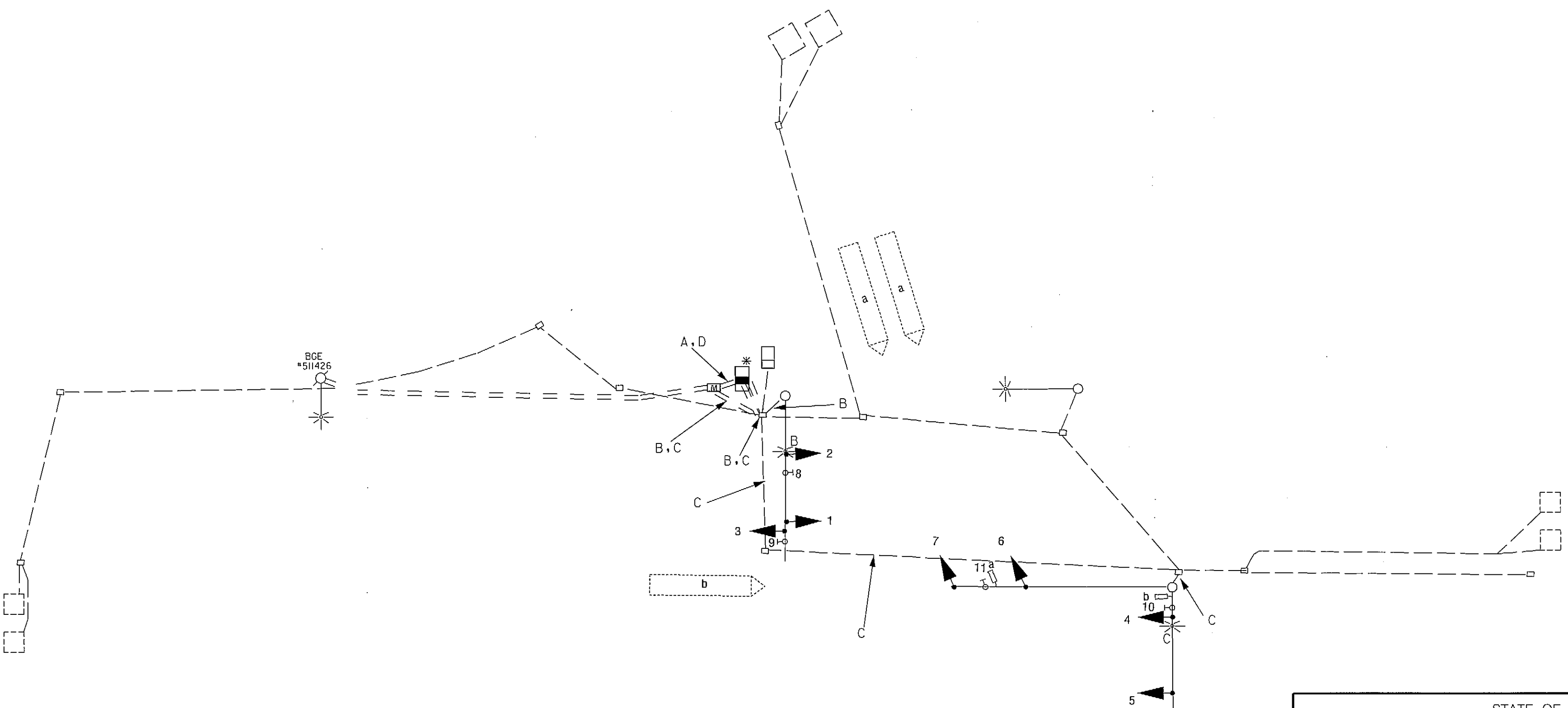
ITEM NO.	QUANTITY	UNIT	DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC
2002	2	CY	TEST PIT EXCAVATION
8001	11	EA	F&I 12 INCH LED SIGNAL HEAD SECTION
8004	3	EA	F&I 8 INCH LED SIGNAL HEAD SECTION
8005	1	EA	ADJUST HAND HOLE TO GRADE INCLUDING FRAME AND COLLAR
8012	1	EA	F&I METERED SERVICE PEDESTAL
8024	1	EA	REMOVE AND DISPOSE OF EQUIPMENT
8036	95	LF	F&I UP TO 4" SCHEDULE 80 PVC CONDUIT - BORED
8038	60	LF	F&I UP TO 4" SCHEDULE 80 PVC CONDUIT - TRENCHED
8042	90	LF	F&I No. 6 STRANDED BARE COPPER GROUND WIRE
8045	90	LF	F&I ELECTRICAL CABLE 1-CONDUCTOR No. 8 AWG
8057	95	LF	F&I ELECTRICAL CABLE 2-CONDUCTOR (No. 12AWG)
8063	1	EA	INSTALL BASE MOUNT CABINET

EQUIPMENT LIST

C. EQUIPMENT TO BE REMOVED SHALL BECOME TO PROPERTY OF THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
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WIRING DIAGRAM



WIRING KEY

- A 1 CONDUCTOR No. 8 AWG (R.B.W) FOR SERVICE
- B,C 2-CONDUCTOR ELECTRICAL CABLE (No. 12AWG)
- D STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- * REROUTED SIGNAL CABLES

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 648 AND I-97 RAMP

GENERAL INFORMATION SHEET

SCALE NONE ADVERTISED DATE 09/20/2011 CONTRACT NO. XY2245185
DESIGNED BY COUNTY ANNE ARUNDEL
DRAWN BY FJA 02064804.31 02000232.13
CHECKED BY FJA TMS NO.
F.A.P.NO. TOD NO.

TS NO. 3028F GI DRAWING OF SHEET NO. 2 OF 2